



*Seinen lieben Freunde G. Mittag-
Leffler
d. 25 Dec. 1884. Georg Cantor*

Institut Mittag-Leffler, Stockholm

AN UNPUBLISHED PAPER BY GEORG CANTOR:

PRINCIPIEN EINER THEORIE DER ORDNUNGSTYPEN
ERSTE MITTHEILUNG

BY

I. GRATTAN-GUINNESS

Enfield College of Technology, Enfield, Middlesex, England

INTRODUCTION	66
1. The motivation of the paper	66
2. The preparation of the paper	67
3. Cantor's new ideas for his theory of point sets	69
DOCUMENTS	73
I. Extracts from a letter by Cantor to Mittag-Leffler, written 20th–28th October, 1884.	74
II. Postcard from Cantor to Mittag-Leffler, written 4th November, 1884	79
III. Letter from Cantor to Mittag-Leffler, written 6th November, 1884	79
IV. Extracts from a letter by Cantor to Mittag-Leffler, written 18th November, 1884	80
V. Extract from a letter by Cantor to Mittag-Leffler, written 21st February, 1885	81
VI. Letter from Cantor to Mittag-Leffler, begun 6th November, 1884: <i>Principien einer Theorie der Ordnungstypen. Erste Mittheilung</i>	82